Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	12/14/2017 10:12 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124967	-1	1.25	124851	1.20
Blue	F	SSC	125000	124129	-1	2.89	124527	2.70
Blue	E	FITC	23615	23015	-3	2.40	1028	10.24
Blue	D	PE	26739	26453	-2	1.97	951	9.81
Blue	B	PerCP-Cy5-5	48339	47831	-2	3.38	1369	17.26
Blue	A	PE-Cy7	45021	45091	0	5.02	696	35.53
Red	C	APC	53064	52473	-2	2.75	3029	9.28
Red	A	APC-Cy7	57175	56766	-1	2.75	1175	11.08
Violet	B	V450	14728	14180	-4	4.50	683	8.94
Violet	A	V500	58621	57143	-3	4.38	2530	6.67

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19670	1.85	607	-7	N/A	N/A	Pass
Blue	F	SSC	61512	1.35	545	-1	N/A	N/A	Pass
Blue	E	FITC	116	37.49	545	-3	0.0204	88	Pass
Blue	D	PE	209	28.51	535	-1	0.1553	212	Pass
Blue	B	PerCP-Cy5-5	215	44.20	632	-3	0.0095	33	Pass
Blue	A	PE-Cy7	76	119.65	691	-2	0.0119	17	Pass
Red	C	APC	351	27.18	595	-2	0.0212	65	Pass
Red	A	APC-Cy7	128	39.09	578	-2	0.0057	1387	Pass
Violet	B	V450	81	40.73	465	-5	0.0499	1801	Pass
Violet	A	V500	182	21.80	492	-5	0.0155	288	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.76	-31.17	0.90
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	19.36	14.40 - 21.60	N/A	N/A	30.94	31.56	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 14754

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments